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APPLICATION NO. FILIN	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/022,278 12/2	20/2001	Naoki Fujii	018976-208	2374		
7590 01/13/2004			EXAMINER			
Platon N. Mandros BURNS, DOANE, SWECKER & MATHIS, L.L.P. P.O. Box 1404			NGUYEN, TAI V			
			ART UNIT	PAPER NUMBER		
			ARTONII	TAPERNOMBER		
Alexandria, VA 22313-1404			3729	77		
			DATE MAILED: 01/13/2004	, , , , , , , , , ,		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Tol Examiner	` \$		App	lication No.	Applica	int(s)	0		
Tai Van Nguyen	Office Action Summary		10/	022,278	FUJII E	T AL.			
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Editations of time help be available under the provision of 37 CPR 1.13(a). In no event, however, may a reply be timply filed between the provision of 37 CPR 1.13(a). In no event, however, may a reply be timply filed between the provision of the period of the provision of the period of the provision of the period of the provision of the period of the perio			Exa	miner	Art Uni	t			
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Application/Control Number: 10/022,278

Art Unit: 3729

DETAILED ACTION

Response to Amendment

1. In regards to the merits of Unami (US 5,912,600) in the previous Office action (Paper No. 6), the Applicants' arguments that Unami does not teach the features of that the steps of performing polarization with a high DC voltage when a measure antiresonant frequency have been found to be persuasive.

Accordingly, the previous rejection of Unami has been withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Unami et al. (US 5,900,790).

As applied to claim 1, Unami et al discloses a method for manufacturing a ceramic oscillator, comprising the steps of: performing polarization (see Fig. 5) processing for a mother substrate; forming electrodes (38, 40, Fig. 5) on the mother substrate in discrete ceramic oscillator units; and cutting (column 8, lines 47-51 in Fig. 6) the mother substrate into discrete ceramic oscillator units, and thereby obtaining discrete ceramic oscillators, wherein the step of performing polarization processing for the mother substrate comprises finishing the application of a high DC voltage (see column 8, lines 33-45) when the antiresonant frequency fa of the mother substrate in a

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thickness vibration mode is measured while the voltage is applied to said mother substrate, and the antiresonant frequency fa which is being measured has reached a target value which is the antiresonant frequency of the mother substrate during polarization corresponding to a target oscillation frequency of the ceramic oscillator as a finished product (see column 9, lines 21-34).

As applied to claim 2, Unami et al discloses further comprising: determining the target value of the antiresonant frequency of the mother substrate during polarization from correlated data which include first correlated data exhibiting the correlation between the oscillation frequency of the ceramic oscillator which has ultimately been obtained and the antiresonant frequency of the mother substrate at room temperature, and second correlated data exhibiting the correlation between said antiresonant frequency fa of the mother substrate at room temperature and the antiresonant frequency fa of the mother substrate during polarization (column 9, lines 21-59).

Conclusion

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tai Van Nguyen whose telephone number is 703-308-1791. The examiner can normally be reached on M-F (7:30-4:30).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 703-308-1789. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1148.

Tn. January 6, 2003

A. DEXTER TUGBANG PRIMARY EXAMINER